

## AMENDMENT

### IN THE CLAIMS:

Please cancel claims 1, 3-4 and 15-16 without prejudice.

Please replace claims 2 and 14 with the following rewritten clean versions.

2. (Amended) An X-ray image radiographing method, comprising using an X-ray tube having a size D of focal spot defined by the following formula:

$$30 \mu\text{m} \leq D \leq 1000 \mu\text{m};$$

setting a distance R1 between the X-ray tube and an object so as to be within a range defined by the following formula:

$$(D-7)/200 \text{ m} \leq R1 \leq 10 \text{ m}; \text{ and}$$

setting a distance R2 between the object and an X-ray detector so as to be within a range defined by the following formula:

$$0.15 \text{ m} \leq R2 \leq 1.4 \text{ m}.$$

14. (Amended) An X-ray image radiographing apparatus, comprising:  
an X-ray tube having a size D of focal spot defined by the following formula:

$$30 \mu\text{m} \leq D \leq 1000 \mu\text{m};$$

a fixing means for fixing a position of an object to be radiographed; and

an X-ray detector to detect an X-ray image having passed through the object;

*a<sup>2</sup>* wherein the fixing means is able to set such that a distance R1 between the X-ray tube and the position of the object fixed by the fixing means so as to be within a range defined by the following formula:

$$(D-7)/200 \text{ m} \leq R1 \leq 10 \text{ m}; \text{ and}$$

a distance R2 between the position of the fixed by the fixing means and an X-ray detector so as to be within a range defined by the following formula:

$$0.15 \text{ m} \leq R2 \leq 1.4 \text{ m}.$$